

Publication number: JP9040761

Publication date: 1997-02-10

Inventor: MATSUI MASAO; KOSEKI  
HIDEKAZU

Applicant: SHIMADZU CORP

Classification:

- international: *C08G63/06; C08G63/08;  
C08G63/78; C08G63/00; (IPC1-7):  
C08G63/06; C08G63/08*

- European:

Application number: JP19950193900 19950728

Priority number(s): JP19950193900 19950728

[View INPADOC patent family](#)

[View list of citing documents](#)

[Report a data error here](#)

#### Abstract of **JP9040761**

PROBLEM TO BE SOLVED: To obtain a polylactic acid block copolymer excellent in crystallinity, heat resistance, flexibility and toughness by forming a block copolymer consisting of crystalline segments and amorphous segments of lactic acid. SOLUTION: This polylactic acid block copolymer is one in which crystalline segments comprising a substantial homopolymer of poly-L-lactic acid or poly-D- lactic acid are combined with amorphous segments composed mainly of L-lactic acid and D-lactic acid. The heat absorption on melting of the crystal of the copolymer is preferably at least 5J/g. This copolymer is obtained by reacting an amorphous polymer composed mainly of L-lactic acid and D-lactic acid and having a hydroxyl group at least on one end with L-lactide or D-lactide, or reacting a substantial homopolymer or L-lactic acid or D-lactic acid having a hydroxyl group at least on one end with L-lactide, D-lactide and/or LD-lactide.

---

Data supplied from the *esp@cenet* database - Worldwide